

The Amazing Splitting Plant

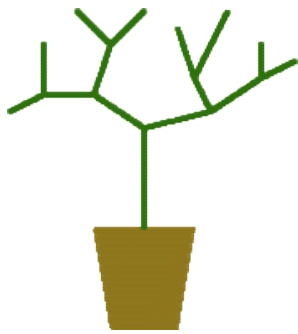
The splitting plant grows in a special way.

In the first week, the stem splits into two branches.

In the second week, each of these two branches split into another two branches - making four branches altogether.

This keeps happening every week, until at the end of the sixth week each branch grows a flower.

How many flowers will the plant have?



Magic Plant



On Friday at 9 am, the magic plant was only 2 centimetres tall.

Every twenty four hours, it doubled its height.

How tall was it on Monday at 9 am?

Show your working of how you solved the problems.

